

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/051440

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 H05K7/14 G06F13/40 G06F13/40 H05K7/14		
According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC 7 G06F H05K		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
A	US 6 437 660 B1 (SULLIVAN ROBERT C) 20 August 2002 (2002-08-20) column 1, lines 13-24 column 3, lines 22-27 column 4, lines 21-30; figures 3,4	1
A	US 6 239 985 B1 (FERAUD JACQUES ET AL) 29 May 2001 (2001-05-29) column 2, line 60 - column 3, line 54; figures 1,2	1
A	US 5 930 119 A (BERDING ANDREW R) 27 July 1999 (1999-07-27) column 3, lines 45-50 column 4, lines 7-18; figures 1-4	1
<input type="checkbox"/> Further documents are listed in the continuation of box C <input checked="" type="checkbox"/> Patent family members are listed in annex.		
* Special categories of cited documents . *A* document defining the general state of the art which is not considered to be of particular relevance *E* earlier document but published on or after the international filing date *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) *O* document referring to an oral disclosure, use, exhibition or other means *P* document published prior to the international filing date but later than the priority date claimed *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention *X* document of particular relevance, the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone *Y* document of particular relevance, the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art *&* document member of the same patent family		
Date of the actual completion of the international search 24 January 2005		Date of mailing of the international search report 31/01/2005
Name and mailing address of the ISA European Patent Office, P B 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel (+31-70) 340-2040, Tx. 31 651 epo nl, Fax (+31-70) 340-3016		Authorized officer Schneider, F

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Information on patent family members

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US 6239985	B1	29-05-2001	NONE
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			CA 2322151 A1 02-09-1999
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			WO 9944400 A2 02-09-1999